

Rabbit SESN1 Polyclonal Antibody | anti-SESN1 antibody

SESN1 Antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200458	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

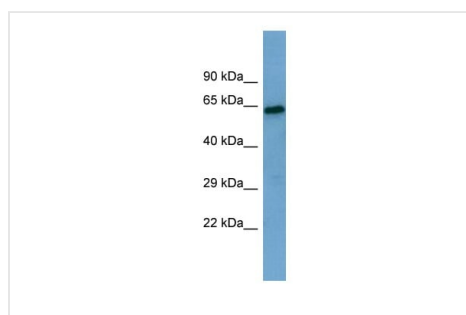
PRODUCT SYNONYMS

SESN1; Polyclonal Antibody; SESN1 Antibody - middle region; anti-SESN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: KW L N G L E N A P Q K L Q N L G E L N K V L A H R P W L I T K E H I E G L L K A E E H S W S L A E
Sequence Length	551
Applicable Applications for anti-SESN1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human SESN1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Host: Rabbit Target Name: SESN1 Sample Type: THP-1 Whole cell lysates Antibody Dilution: 1.0 µg/ml



WB (Western Blot)

Host: Mouse Target Name: SESN1 Sample Tissue: Mouse Spleen Antibody Dilution: 1 µg/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SESN1 antibody	This is a rabbit polyclonal antibody against SESN1. It was validated on Western Blot Target Description: This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results in the inhibition of the mammalian target of rapamycin protein. The encoded protein also plays a critical role in antioxidant defense by regenerating overoxidized peroxiredoxins, and the expression of this gene is a potential marker for exposure to radiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Product Categories/Family for anti-SESN1 antibody	Polyclonal; DNA Damage & Repair; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657437
NCBI GeneID	27244
NCBI Accession #	NP_055269
NCBI GenBank Nucleotide #	NM_014454
UniProt Accession #	Q9Y6P5
Molecular Weight	64kDa
NCBI Official Full Name	sestrin-1 isoform 1
NCBI Official Synonym Full Names	sestrin 1
NCBI Official Symbol	SESN1
NCBI Official Synonym Symbols	PA26; SEST1
NCBI Protein Information	sestrin-1
UniProt Protein Name	Sestrin-1
UniProt Gene Name	SESN1
UniProt Synonym Gene Names	PA26; SEST1
UniProt Entry Name	SESN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.